

PHENIX WEEKLY PLANNING



1/6/2011
Don Lynch

1/6/2011

TECHNICAL
SUPPORT
2011

This Week:

Finish DC East/West maintenance and repairs

Complete Pink/Blue/White sheets

VTX Cooling and operational commissioning

RPC3S Commissioning

RPC1 Prototype commissioning

Start Flamable Gas

Start run 11

Future upgrades support

End of Shutdown/Beginning of Run Party

Next Week

Start Run 11

Continue support for new detector commissioning

Continuing mechanical, electrical and gas system support for Run 11

Plan for shutdown 2011

Future upgrades support



Remaining Shutdown Tasks, Continued

TECHNICAL SUPPORT

<u>Project</u>	<u>Task</u>	<u>Completion Date</u>	<u>Task Duration</u>	<u>Personnel reqmts</u>	<u>Notes</u>
PHENIX	DC repairs	Done?			Done?
PHENIX	Pink sheets, blue sheets, white sheets	Done			Done
PHENIX	Chiller platform fire detection and suppression	?			In Progress

Remaining Shutdown Tasks, Continued

TECHNICAL SUPPORT

<u>Project</u>	<u>Task</u>	<u>Completion Date</u>	<u>Task Duration</u>	<u>Personnel reqmts</u>	<u>Notes</u>
PHENIX	Assemble shield wall	Done			Done
PHENIX	Start flammable gas	Done			Done
PHENIX	Install plug door	Done			Done
PHENIX	Close shield wall	Done			Done
PHENIX	Install safety interlocks	Done			Done
RPC1&Abs Proto	Electronics & Gas Support Installation	Done			Done
PHENIX	Close out all 2010 shutdown WP's	1/7/2011	1 day	1 PHENIX ME	1 to go
PHENIX	End of shutdown party	1/7/2011	1 day	All of PHENIX	

Looking Ahead to the 2011 Shutdown

- Run 11 Ends 6/30/2010
- Shutdown Standard Tasks (Open wall, disassemble wall, Remove MuID Collars, Move EC to AH, etc. 7/21/2010
- Disassemble VTX services 8/1/2010
- Remove VTX and transport to Chemistry Lab 8/15/2010
- BBC North maintenance 8/31/2010
- MuTr North Station 1 work 9/15/2010
- VTX maintenance and integration of FVTX onto VTX support structure 9/15/2010
- Install VTX&FVTX 9/30/2010
- Undefined detector subsystem maintenance and repairs 10/7/2010
- RPC1 and Absorber upgrades 10/7/2010
- Roll in EC 10/7/2010
- VTX and FVTX Services and commissioning 10/30/2010
- Prep for run 12 10/31/2010
- Run 12 cooldown 11/1/2010

2010 Building Maintenance Issues

- Roof leaks in utility bathroom at northwest corner behind tech offices, over door between rack room and assembly hall and over door between control room and elect. ass'y room.
- General maintenance for Trailer Offices (in progress)
- Roof leaks in laser room and IR (southeast corner)
- Flooding in AH/ Driveway heaving [Lake PHENIX]
- New HVAC in Control Room and Conference Room
- New projector for conference room



PHENIX Procedure Review Current Status:

148 Procedures Identified

- 85 Made Inactive (not currently in use, will require revision to re- activate if and when necessary, available for reference purposes)
- 9 CAD procedures relevant to PHENIX, all are available and available on the CAD web site
- 42 Procedures (1 of these soon needs updating)
- 11 Proposed/Draft Procedures (never previously formalized) (3 are ready for review)

Nothing New This Week

Web retrieval of latest procedures now available from PHENIX Internal:

http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_procedures.htm

1. Annual PHENIX Safety review: Action items:

- Assure the new VTX detector DCM2 boards are fused **Done**
- Review to assure all Weiner power supplies are NRTL equivalent compliant and affix respective labels (Giannotti Dec 20, 2010) **Done ?**
- Provide the new flammable gases leak rates (Pisani, Dec 20, 2010) **Done ?**
- Provide the gas usage quantities (Pisani Dec 20, 2010) **Done ?**
- Carry out the pink sheeting of all racks. **Done**
- Carry out the Blue Sheeting **In Progress**
- Provide updated sweep procedures (Sampson Dec 20, 20) **Done**
- Carry out operational tests of the VTX cooling systems **Done**
- Provide documentation of the heating blanket and electrical connections reviewed by BNL fire engineering (Pisani Dec 24, 2010) **Done**

General:

- Update the PHENIX ECR. (Craner, Dec 24, 2010) **Done ?**
- Update the PHENIX work plan **Done**
- Carry out a magnetic safety review **Done**
- A walk through of the PHENIX detector prior to introduction of flammable gas. (Makdisi / Etkin Dec 24, 2010) **Done**
- Update the documented work procedures. **Done**
- Establish trained PHENIX watch shifts. **Done**
- Update the PHENIX emergency procedure (Makdisi Dec 24, 2010) **Done ?**

2. Focal Prototype Review: Not enough info yet. Design and technical support are ongoing

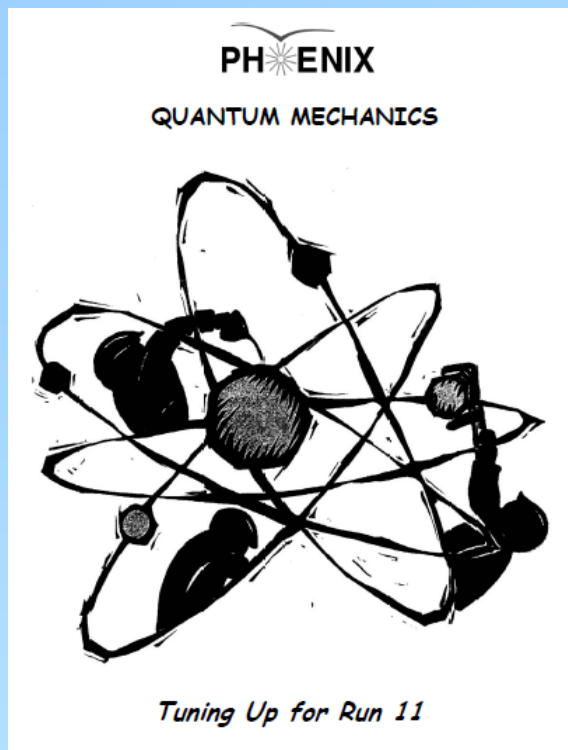
3. BNL Standards for Ethics - If you haven't completed this you are unethical!

4. Snow tomorrow: Forecast is for up to 6 inches perhaps beginning tonight (50% chance) with little accumulation until tomorrow afternoon then continuing through Saturday morning. Next week day time temperatures above freezing night time temperatures below freezing. Expect "black ice" and **BE CAREFUL**.
5. ODH1 Training: Medical clearance for non BNL personnel: Use the same medical form as previous years. BNL personnel should have ODH1 on their Job assessments to provide automatic medical screening during BNL medical exams. BNL personnel who opt out of BNL periodic medical exams can also use the forms.
6. Safety walkthru items: (Next Page).

Checklist Item #	Responsibility	Description Of Check-Off List Item	Priority	Status
01	ESRC	All relevant ESRC action items closed.	Pre start	
02	EC	IR: Light socket near VTX gas panel has open light socket. Put bulb in socket.	Pre start	Done
03	EC	IR: Ground VTX / RPC gas panel.	Pre start	Done
04	LE	IR: Review walking surface for holes and trip hazards	Pre start	
05	LE	IR: On the upper platform in the general location of the VTX rack and RPC rack, there are wooden stairs. Replace with appropriate OSHA approved stairway.	Post start	
06	EC	All electronic racks should be added to the "pink sheet" pre-operation checkouts to assure that the racks are bonded/grounded.	Pre start	Done
07	EC	IR: On the upper platform in the general location of the VTX rack and RPC rack, a cable was not in a cable tray. It was supported by wrapping around a water hose. Remove and correct wiring path.	Pre Start	Done
08	EC	IR: Remove trash and debris and unused tools from IR (general housekeeping).	Pre Start	Done
09	LE	AB: New chiller electrical distribution disconnects require arc-flash labeling.	Pre Start	
10	LE	AB: SHSD (M. Gaffney) is to inspect the high pressure chiller piping installation.	Pre Start	In Progress
11	EC	AB: Remove trash and debris from High-bay (general housekeeping).	Pre Start	Done
12	LE	Gas Mixing House: Doors on gas house require flammable area warning signs.	Pre Start	Done
13	EC	Gas Mixing House: Remove excess pipe storage from overhead pipe supports.	Pre Start	Done
14	EC	Gas Mixing House: IR: Electronic racks in room adjacent to the gas mixing room require 3 foot clearance from walls.	Post Start	N/A
15	EC	Gas Mixing House: Use flame resistant plastic as guards for electrical safety.	Pre Start	Done
16	EC	Gas mixing house: Remove trash and debris from gas house and gas pad (general housekeeping).	Pre Start	Done

Checklist Item #	Responsibility	Description Of Check-Off List Item	Priority	Status
17	EC	RPC S: Remove trash from 7GE1 labyrinth and gate.	Pre Start	Done
18	LE	RPC S: Lock berm gate adjacent to 7GE1.	Pre start	Done
19	EC	RPC S: Remove trash and debris from tunnel area (general housekeeping).	Pre Start	Done
20	EC	RPC S: Removes boxes and debris from area around south garage door shutter.	Pre Start	Done
21	EC	RPC S: Secure lines and wiring that impede motion of the south garage door shutter.	Pre Start	Done
22	LE	RPC S: Review south RPC area for confined space assignment.	Pre Start	
23	LE	RPC S: LOTO crane in south tunnel.	Pre Start	Done
24	EC	RPC S: Remove extension cord in cable tray.	Pre Start	Done
25	EC	RPC S: Tag with disconnect cable tags unused HV wiring	Pre Start	Done
26	LE	RPC S: Remove safety rail before south garage door is moved.	Pre Start	Done
27	EC	RPC S: Verify the RPC electric racks in the north and south tunnels have fire detection (fire wire, smoke, or rate of rise).	Pre Start	Done
28	EC	RPC S: Remove prototype electronic rack.	Pre Start	Done
29	MCR GL	Check off list is complete	Pre start	

Where To Find PHENIX Engineering Info



And So Ends Another Productive Shutdown

And So Begins Another Magical Run at PHENIX

Links for the weekly planning meeting slides, archives of past meeting slides, long term planning, pictures, videos and other technical info can be found on the PHENIX Engineering web site:

http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm

